

VARIANCE / FIELD CHANGE NOTICE				V/F No. 2	
WBS NO.: 53000-SOW-0003				Page 1 of 2 <i>20K 9/18/01</i>	
PROJECT TITLE: (SOW) Acid Chlorination Treatments of Re-Injection Wells.				Date: 9-17-01	
<p>VARIANCE / FIELD CHANGE NOTICE (Include justification):</p> <p><u>Requirement:</u> Collect a pre-treatment groundwater sample and analyze it for chlorides, and Ortho-phosphates.</p> <p><u>Variance:</u> A sample may also be collected for BOD, TOC, and COD analyses. See attached table.</p> <p><u>Justification:</u> Additional data would be used to help evaluate chemical changes caused by the treatment process.</p>					
<p>3863</p>					
<p>INFORMATION ONLY</p>					
Requested By: Ken Broberg, <i>KAB</i>				9-17-01	
X IF REQD	VARIANCE/FCN APPROVAL	DATE	X IF REQD	VARIANCE/FCN APPROVAL	DATE
X	QUALITY ASSURANCE <i>Baseline for Frank Thompson</i>	9/17/01		ARMWP Operations	
	DATA QUALITY MANAGEMENT		X	ARMWP Hydrogeology <i>with a. J. Hester</i>	9/17/01
	ANALYTICAL CUSTOMER SUPPORT			ARMWP Safety	
	OTHER		X	Environmental Monitoring <i>[Signature]</i>	9/17/01
VARIANCE/FCN APPROVED [X] YES [] NO			REVISION REQUIRED: [] YES [x] NO		
DISTRIBUTION					
PROJECT MANAGER:		DOCUMENT CONTROL: Michelle Tudor		OTHER:	
QUALITY ASSURANCE:		OTHER:		OTHER:	
FIELD MANAGER:		OTHER:		OTHER:	

ORIGINAL

IEMP REINJECTION
53000-SOW-0003 VARIANCE 2
SEPTEMBER 2001

3863

Parameter	LAB	Hold Time	Chemical Preservative	Container(s) Required
Chloride, BOD	AWWT	48 hours	Cool to 4° C	2-1 Liter Plastic
Ortho Phosphate	AWWT	28 days	H ₂ SO ₄ pH < 2 Cool to 4° C	250 ml Plastic
COD	Off-site	28 days	H ₂ SO ₄ , pH < 2 Cool to 4° C	250 ml Plastic
TOC	Off-site	28 days	H ₂ SO ₄ , pH < 2 Cool to 4° C	250 ml Amber Glass

There will be no QC, duplicates, rinsates, TB, or FB.